PRODUCTION METHOD FOR LIQUID CRYSTAL ORIENTATION MEMBRANE AND LIQUID CRYSTAL DISPLAY

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Abstract of **JP2001048904**

PROBLEM TO BE SOLVED: To provide a production method for liquid crystal orientation membrane excellent in productivity, stability of orientation such as heat resistance, etc., without requiring a preliminary heating process at high temperature and a long time. SOLUTION: A monomer is polymerized by irradiating the monomer with an anisotropic light. The monomer is polymerized by irradiating the monomer with the anisotropic light after coating a solution comprising the monomer and a solvent having low boiling point to a substrate. Monomers having acrylate group or methacrylate group are used as the monomer or an oligomer. An oriented polymer membrane is obtained by coating the monomer on the substrate and then irradiating the monomer with UV. Various liquid monomers, etc., are directly coated on the substrate. Solid monomers generally dissolving more easily than polymers are capable of using a solvent having low boiling point and a preliminary heating process at high temperature and a long time required in conventional method is not required in the process.

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